

**IN THE ABSTRACT:**

Please amend the Abstract of the Disclosure as follows:

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A pipe connector device ~~able to simply and effectively seal connected members even when using a seal member through which a gas easily permeates~~ is provided. A connector device ~~1~~ provides flow paths ~~7a and 9a~~ for carrying a pressurized gas, and is formed by first and second connection members ~~7 and 9~~ connected to each other, an. An O-ring ~~11~~ for sealing sealing surfaces ~~S1 and S2~~ of the connection members ~~7 and 9, and~~ The connector device is formed of a material more resistant to permeation of gas ~~through it than the O-ring 11, and~~. The connector device has a backup ring 13 having a support surface 13S for supporting the O-ring 11 receiving a pressure difference between the insides inside and outsides outside of the connection members 7 and 9 and a tapered surface 19T on which a distance between the sealing surfaces S1 and S2 at a fit position of the backup ring 13 gradually decreases toward a non gas pressurization side.